

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-22 15:23:17
 Date of Next Testing: 2025-08-21 15:23:17
 Product Name: **Fmoc-D-Pip-OH**
 CAS Number: 101555-63-9
 Specifications & Purity: $\geq 98\%$
 Lot #: H2315440
 SKU #: **I137410**
 Version: **0**
 Analysis #: **246337**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	99.65000 %
Purity(HPLC)	98-100 (%)	99.39300 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in DMF})$	19-29 ($^{\circ}$)	22.86000 $^{\circ}$
Appearance (I137410)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager